

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in the application:

1-24 (canceled).

25 (previously presented). A purified collagenase inhibitor protein, said protein consisting essentially of an amino acid sequence selected from among the following:

a) amino acid sequence SEQ ID NO: 2; or

b) the amino acid sequence of a) or of SEQ ID NO: 1, further having a Met at position -1; or

c) the amino acid sequence of a) or of SEQ ID NO: 1, further having a leader sequence at the N-terminal, -1 position, wherein said leader sequence consists essentially of the following amino acid sequence from positions -38 to -1:

Gly His Arg Arg Arg Ser Ser Ala Gln Arg Asp Thr Arg Glu Pro Thr Met Ala Pro Phe Asp Pro Trp Leu Leu His Pro Val Val Ala Val Ala Asp Ser Pro Ser Arg Ala (SEQ ID NO: 3);

or

d) the amino acid sequence of a) or of SEQ ID NO: 1, further having a leader sequence at the N-terminal, -1 position, wherein said leader sequence consists essentially of the following amino acid sequence from positions -22 to -1: Met Ala Pro Phe Asp Pro Trp Leu Leu His Pro Val Val Ala Val Ala Asp Ser Pro Ser Arg Ala (SEQ ID NO: 4).

26-43 (canceled).